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Media-Flex

Gerard DeRomanis Jr.

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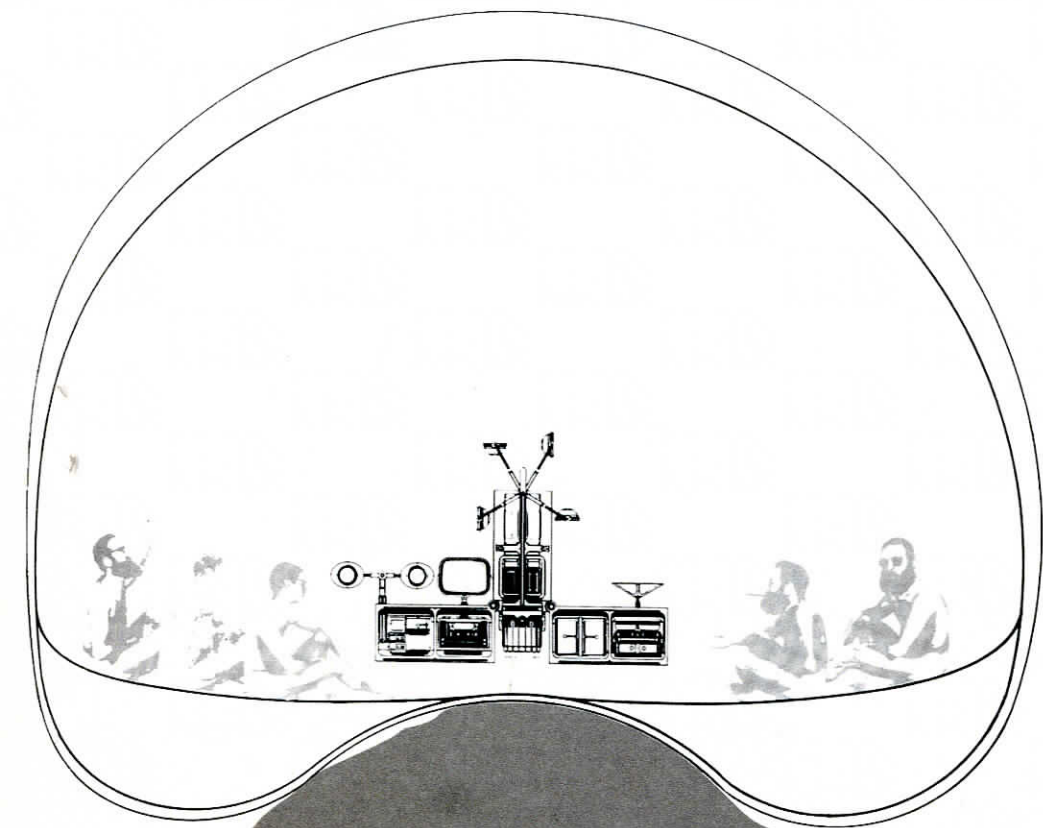
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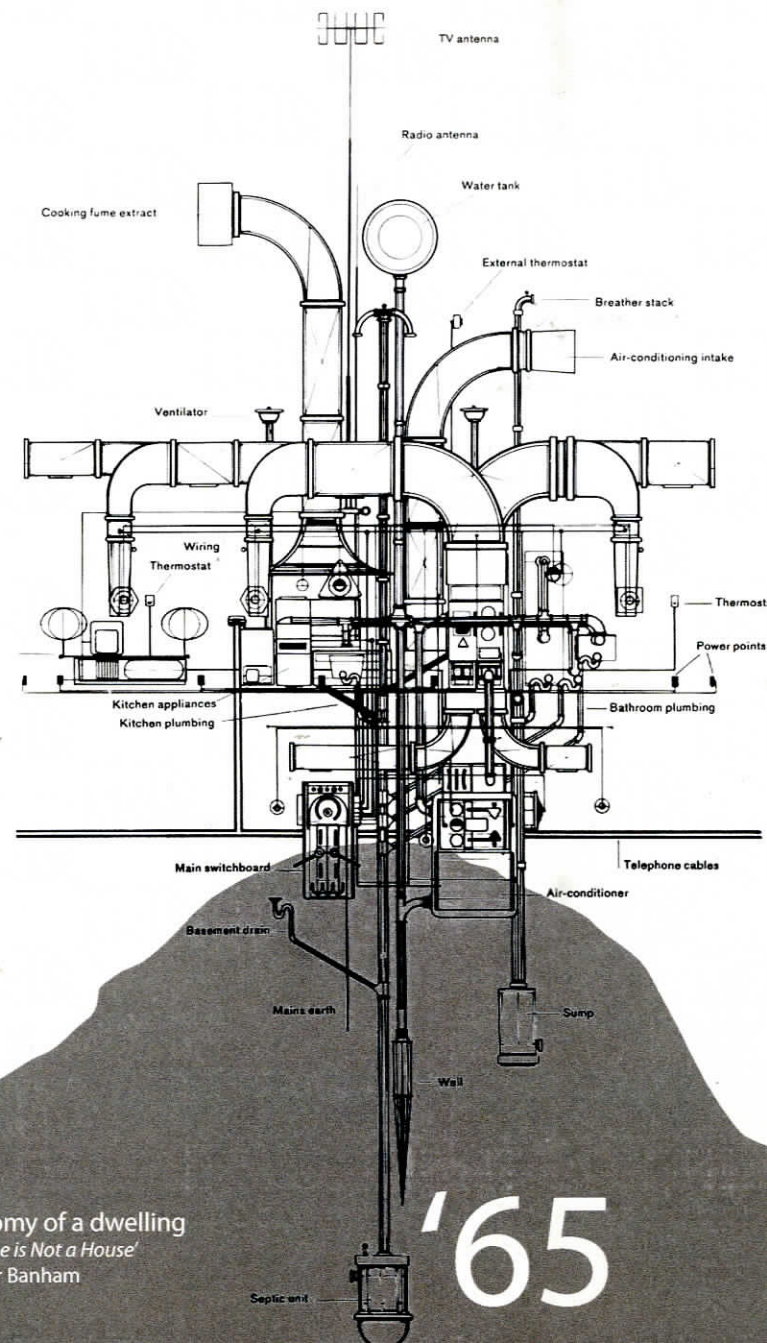
"We live in a **throw-away economy**, a culture in which the most fundamental classification of our ideas and worldly possessions is in terms of their relative **expendability**. Our buildings may stand for a millenium, but their mechanical equipment must be replaced in fifty years, their furniture in twenty."

-Reyner Banham

'A throw-away Aesthetic', 1955



the environment-bubble
'A Home is Not a House'
 Reynor Banham



anatomy of a dwelling
'A Home is Not a House'
 Reynor Banham

'65

ADAPT — —

responds to various functions
requires permanent framework

TRANSFORM — —

allows for physical alterations
spacial reconfiguration

MOVE — —

requires mechanical means to relocate
allows transport / instant setup
modular

INTERACT — —

intelligent automation or reaction
relies on predetermined algorithms



Centre Pompidou, France 1968
Richard Rogers - Renzo Piano



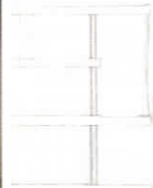
Optima Homes, UK 2004
Cartwright Packard



Centre Pompidou, France 2007
Shigeru Ban



Curtain Wall House, Tokyo Japan 1995
Richard Rogers - Renzo Piano



Hoberman Arch, Salt Lake City USA 2002
Chuck Hoberman



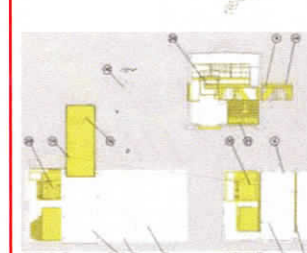
Pro/con Package Homes, 2007
Jones, Partners: architecture



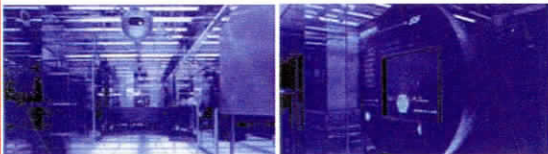
Mobile Dwelling Unit, USA 2003
LOT-EK



Halley VI Antarctica Base, 2005
Hugh Broughton Architects



SCI-Arc Conference Room, Los Angeles 2004
Jones, Partners: architecture



Hong Kong RTHK AI media lab, Hong Kong 2001
James Law Cybertecture



SmartWrap Building, New York USA 2003
Kieran Timberlake Associates

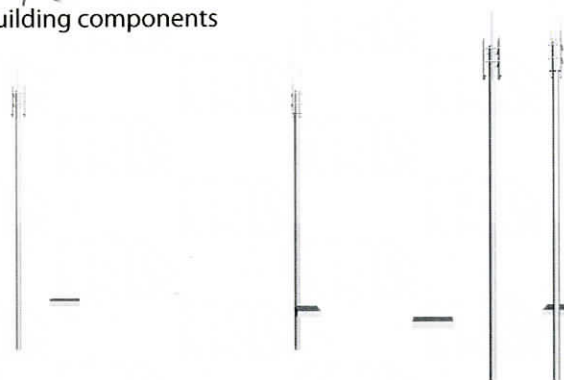


Public Mood Ring, 2007
Will Pappenheimer





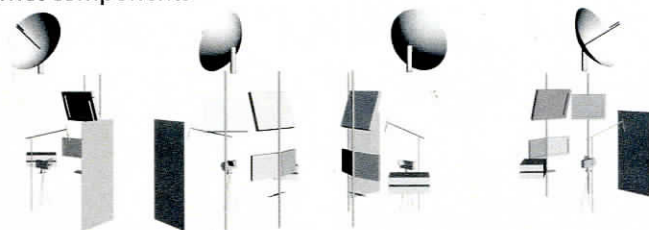
building components



cellular components



internet components



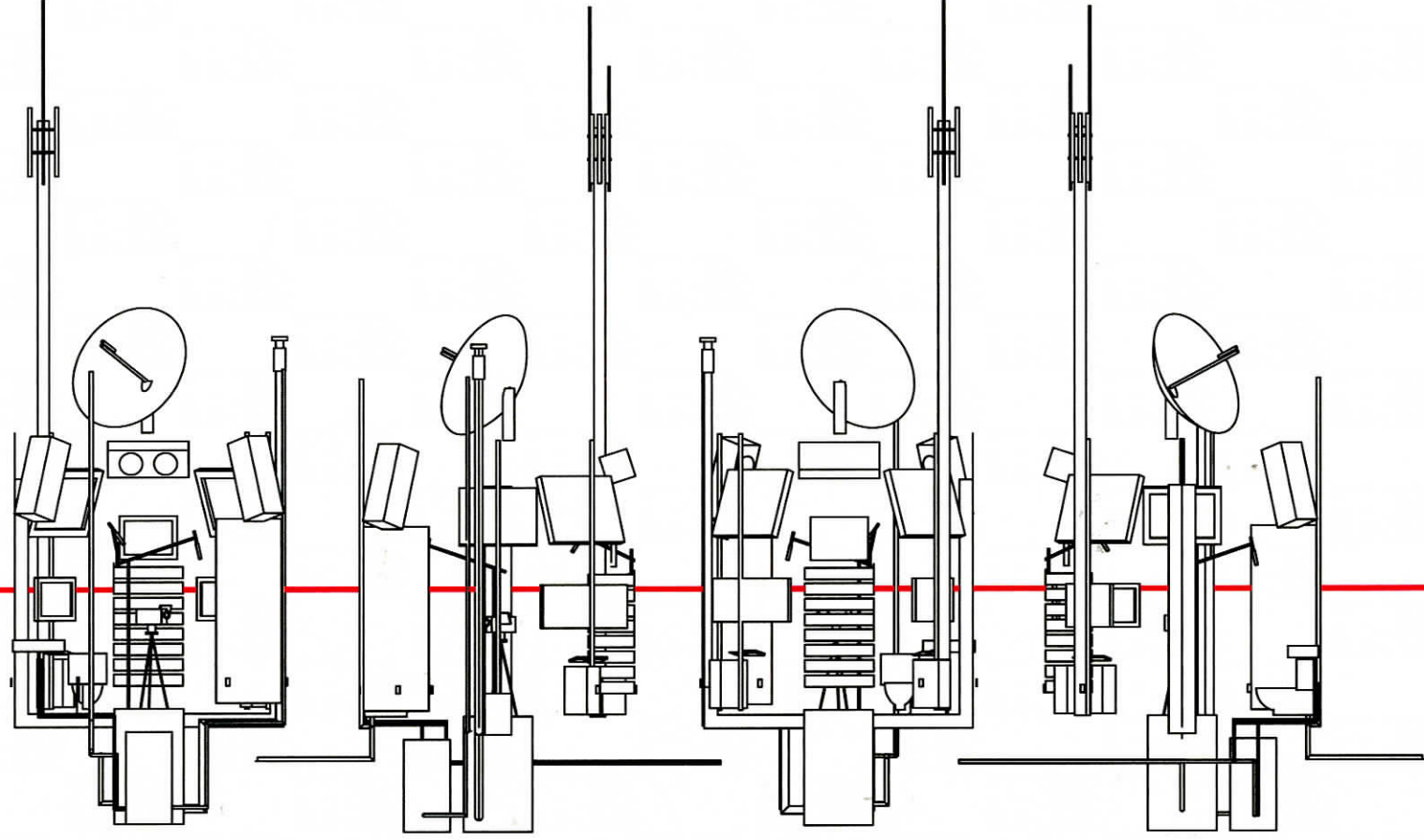
television components



radio components

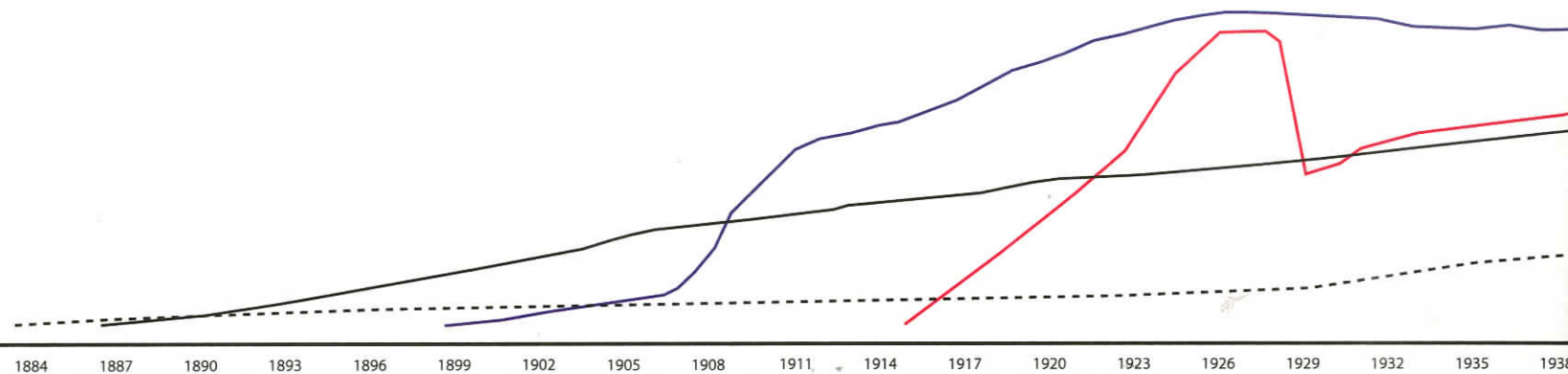
MEDIA CENTER

component analysis



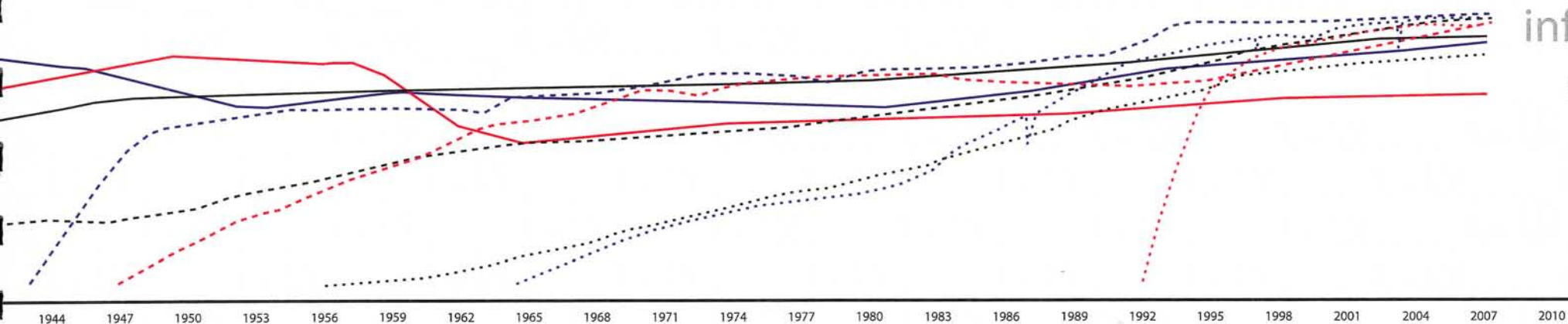
INSERT
INDEPENDANT
THIRD-PARTY
VARIABLE
HERE

INFUSION OF MEDIA

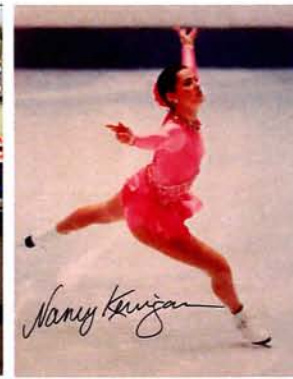


composite

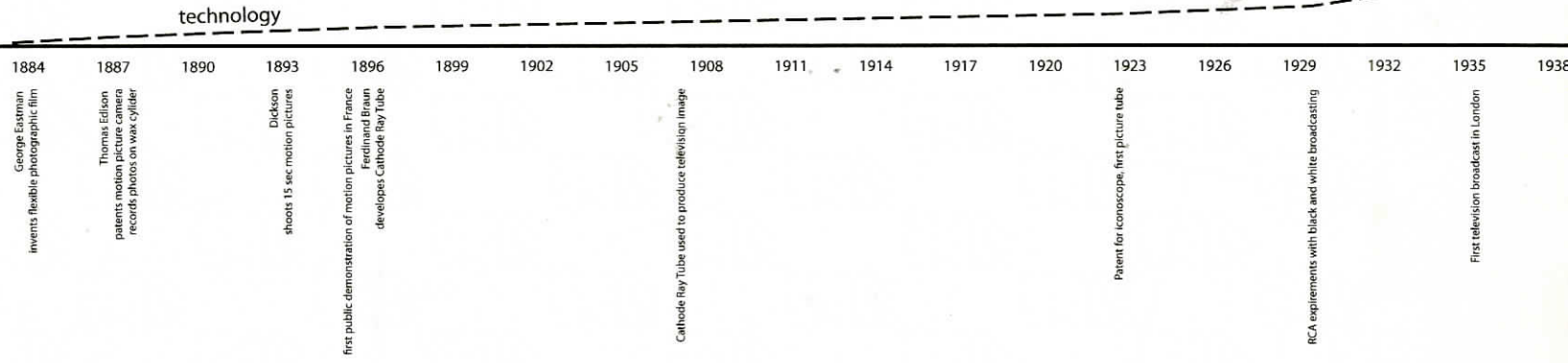


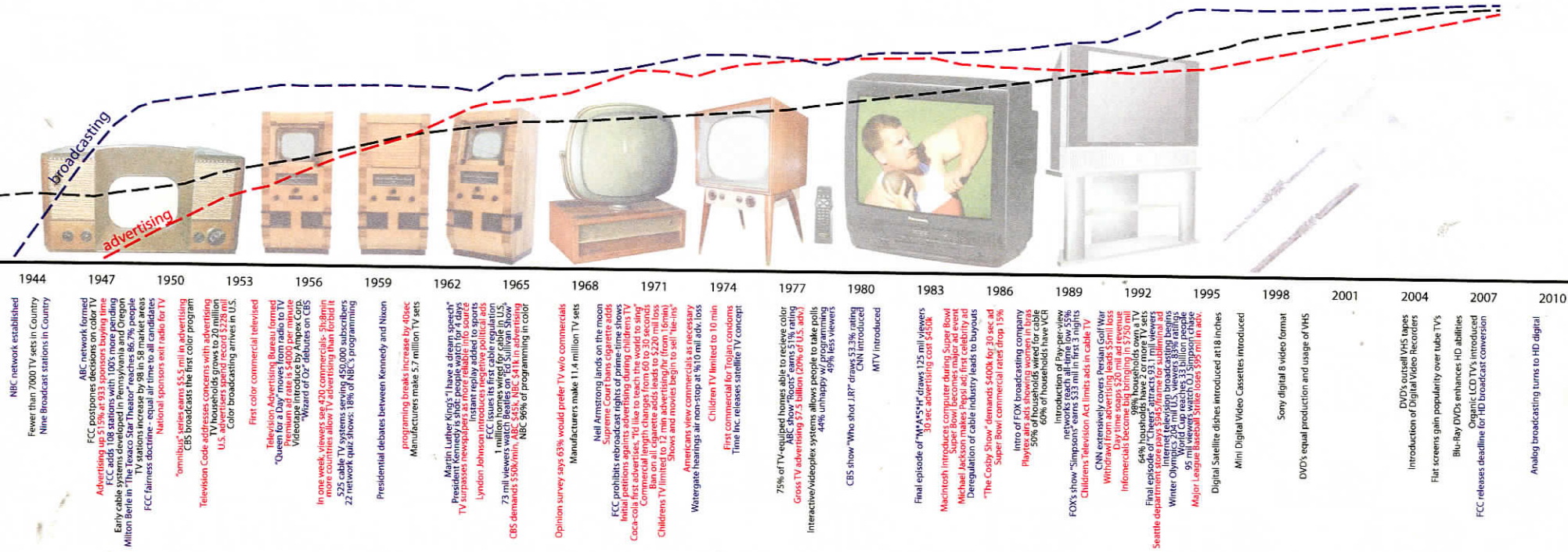


information
streams



television

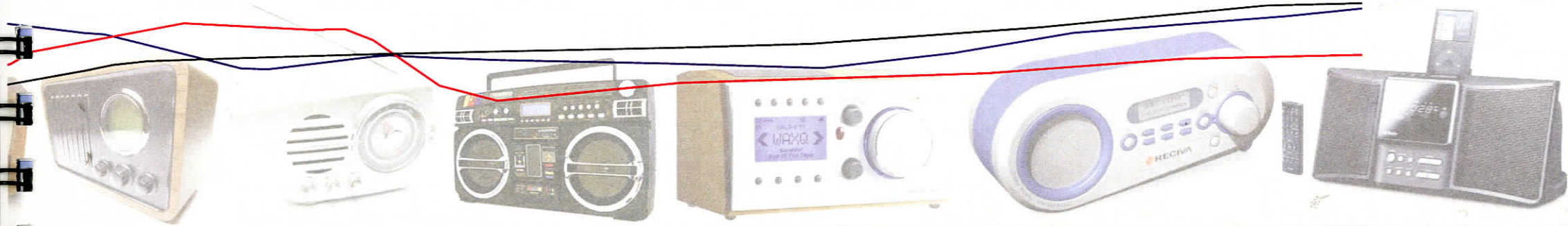




radio



Click the dots to see the first jingle of the radio
"Chickadee" jingle in 1920



1944

Radios developed
First international sporting event broadcast
U.S. Army bounces radar beam off Moon
Transistor invented making radios smaller

1947

Facsimile high-speed radio transmission demonstrated

1950

Folk music becomes popular for advertising

1953

CBS and NBC shift focus to television broadcasting
Final episode of "The shadow" airs after 24 years

1956

Songs begin reaching no. 1 in charts after being in movies
Radio signal from Sputnik 1, first artificial satellite
First rock song to sell "Coral" "Get that Radio in the bow"

1959

American Bandstand joins ABC television and sells most records ever
Communication with the first object to leave earth, USSR probe Luna 1
First radio-photos from spacecraft beyond Moon, USSR probe Lunik 3
First radio-photos of Earth Weather from orbit
Last day of radio soap operas

1962

First human communication from space
First radio signal from another planet, Mariner 2 at Venus
Majority of radio income comes from sponsorship

1965

First ground-to-aircraft transmission via satellite
Majority advertising is focused in television

1968

1971

1974

World's tallest structure, 646m Polish radio tower built

1977

1980

Sony introduces consumer synthesized radio receiver
First human communication from a space shuttle

1983

1986

1989

1992

XM develops Satellite radio

1995

Internet radio broadcasting begins

1998

Digital radio released by XM

2001

Digital Radio Mondiale - digital AM radio

2004

Podcasting begins

2007

2010

internet

1884 1887 1890 1893 1896 1899 1902 1905 1908 1911 1914 1917 1920 1923 1926 1929 1932 1935 1938

1944 1947 1950 1953 1956 1959 1962 1965 1968 1971 1974 1977 1980 1983 1986 1989 1992 1995 1998 2001 2004 2007 2010

ARPA formed in response to Sputnik

Kleinrock, MIT, "Information Flow in Large Communication Nets"

Licklider & Clark, MIT, "On-line Man Computer Communication"

Baran, RAND, "On Distributed Communications Networks"

Computers at MIT connected via 1200bps phone line

First ARPANET plain released

Packet switch contract to build Interface Message Processors (IMPs)

ARPANET commissioned by DoD for networking research

ALOHAnet becomes first packet radio network

AT&T sets up first cross-country link between UCLA and BBN

ARPANET start first host-to-host protocol (NCP)

13 nodes (23 hosts) established

email is established using "ar" sign

first computer-to-computer chat takes place at UCLA

first international connections within ARPANET between U.S., England, and Norway

ARPANET users estimated at 2000 with email comprising 75% of traffic

Transmission Control Program (TCP) designed

first satellite links cross oceans from Hawaii and UK

Queen Elizabeth II sends email

UNIX system developed

THEORYNET provides email to 100 researchers in computer sciences

QJIS protocol standard for virtual circuit save packet switching

TCP splits into TCP and IP

ARPA established the Internet Configuration Control Board (ICCB)

First virus brings ARPANET to a halt

BITNET created allowing file transfers

CSNET links more computer scientists

DoD declares TCP/IP to be standard for DoD

Desktop workstation comes into being

Domain Name System (DNS) introduced

Number of hosts grows to 1000

Joint Academic Network (JANET) set up in UK

Whole Earth Electronic Link (WELL) started

Symbolics.com becomes first registered domain name

NSFNET uses 5 supercomputer to accelerate speed to 56Kbps

CSNET provides first email link to China from Germany

Number of hosts reaches 10,000

First Internet worm destroys 10% of hosts world wide

Computer Emergency Response Team (CERT) established

First multicast tunnel established

Number of hosts grows to 100,000

First relays established between commercial email carrier and the Internet

World comes on-line becoming accessible to the Internet

ARPANET is shut down

Internet Explorer becomes first machine remotely controlled by the Internet

JANET IP Service is created

Number of hosts reaches 1,000,000

Tom "surfing the internet" is coined

US White House comes on-line

Shopping malls appear on-line

Business and media take notice of Internet

First banner ads appear on hotwired.com

Sun launches JAVA software

Internet Explorer becomes first machine remotely controlled by the Internet

Internet Phones developed

ISP can't keep up with user demand

Domain name business.com sells for \$150,000

Domain name business.com sells for \$150,000

Web size estimate to be 275-320 mil digital pages

Internet users able to judge performance of 12 world champion ice skaters

US Supreme Court rules domain name

US Department of Commerce backed into

DoD requires US military be connected through ARPANET instead of Internet

Business.com sells for \$67.5 mil

US timekeeper reports some time services about time

Series of domain name hijackings take place

First live distributed musical

Code Red worm and Sircam virus destroy thousands of web servers

Fast HOTV transmission across wide area IP networks takes place

US Law creates sale domain for kids

First official on-line election takes place in Switzerland

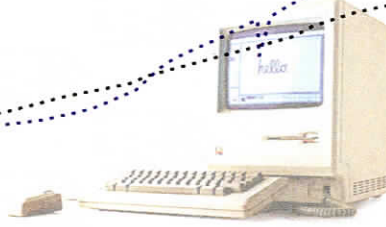
SQL Slammer worm is worst in history destroying 911 air traffic systems

For the first time in history, there are more servers outside the US

technology

broadcasting

advertising



creation



product



television

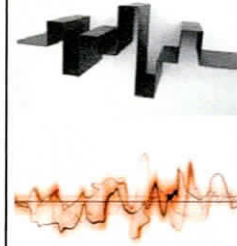
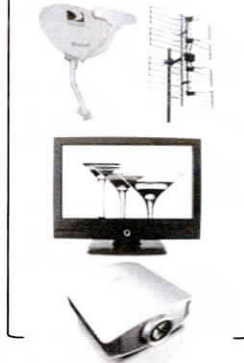
broadcast



transfer



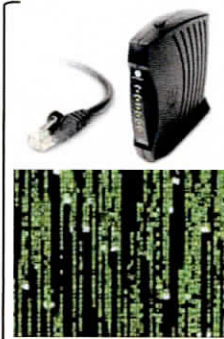
experience



radio



internet





SITE QUALIFICATIONS

extensive media exposure / history

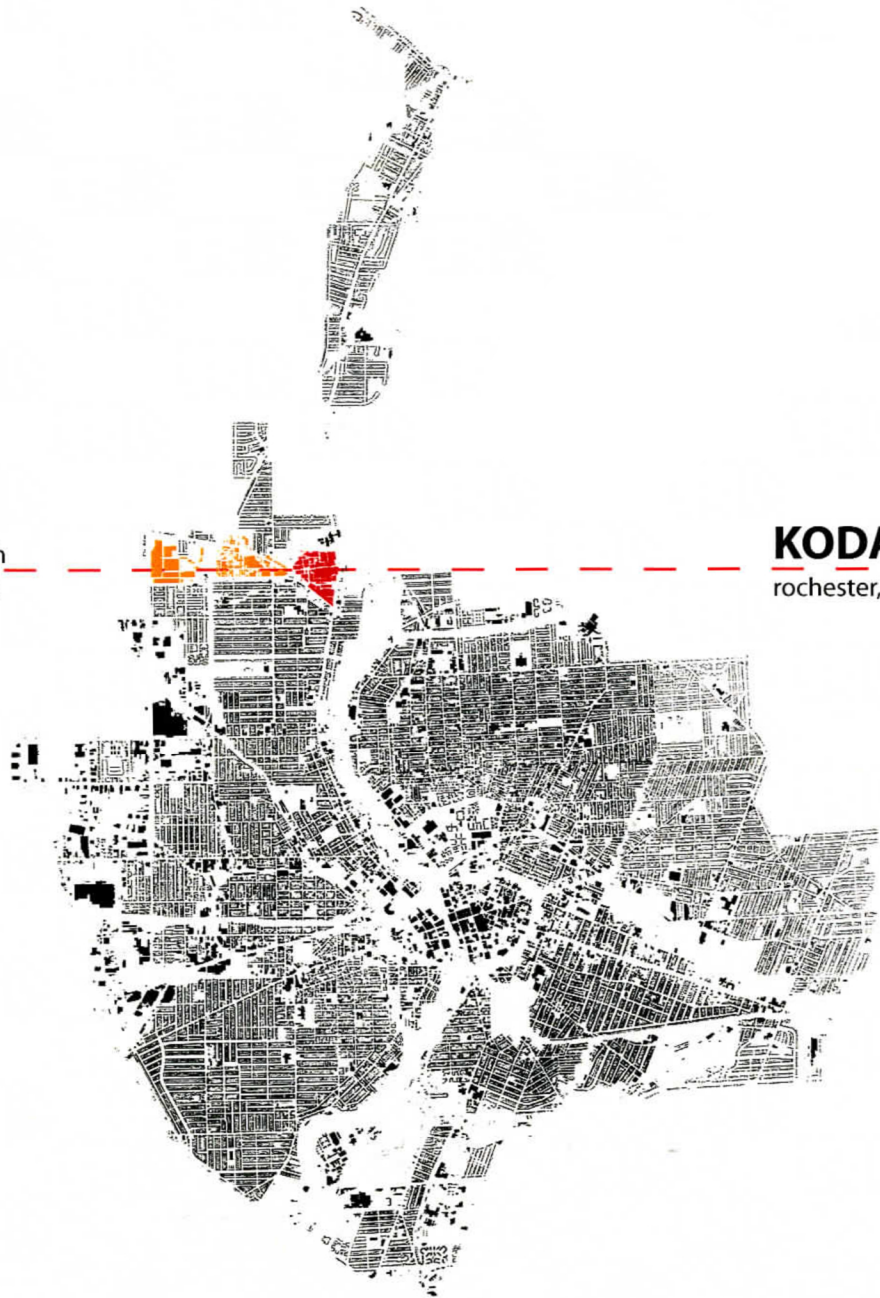
linear pedestrian movement

vehicular traffic exposure

43° 13' 03.48" north
77° 37' 43.46" west

KODAK PARK

rochester, new york





media



3

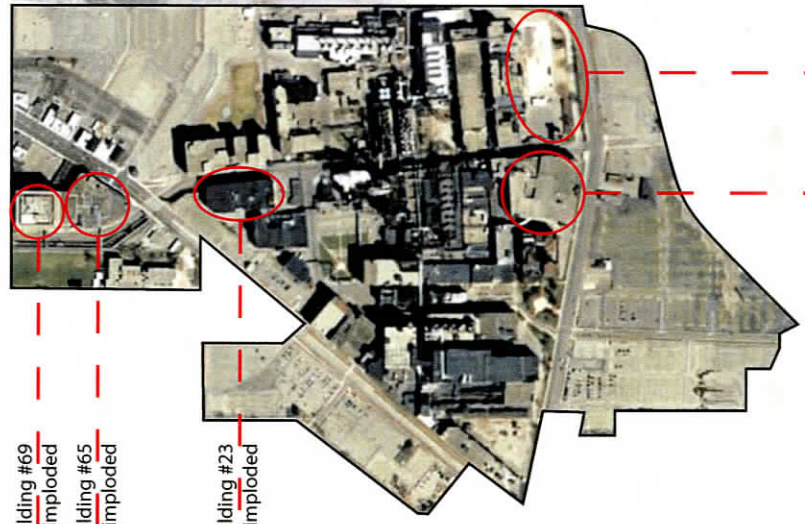
2

"nice day for a revolution"

building 9 demolition, kodak park
july 1, 2007



0:00



building #69
imploded

building #65
imploded

building #23
imploded

building #50
dismantled

building #9
imploded



KODAK PARK aerial 2004

BUILDING 9 IMPLOSION



KODAK PARK aerial 2007



PROXIMITY TO WATER
genessee river, lake ontario, irondequoit bay



RELATIVE GREEN SPACES
turning point park, maplewood rose gardens



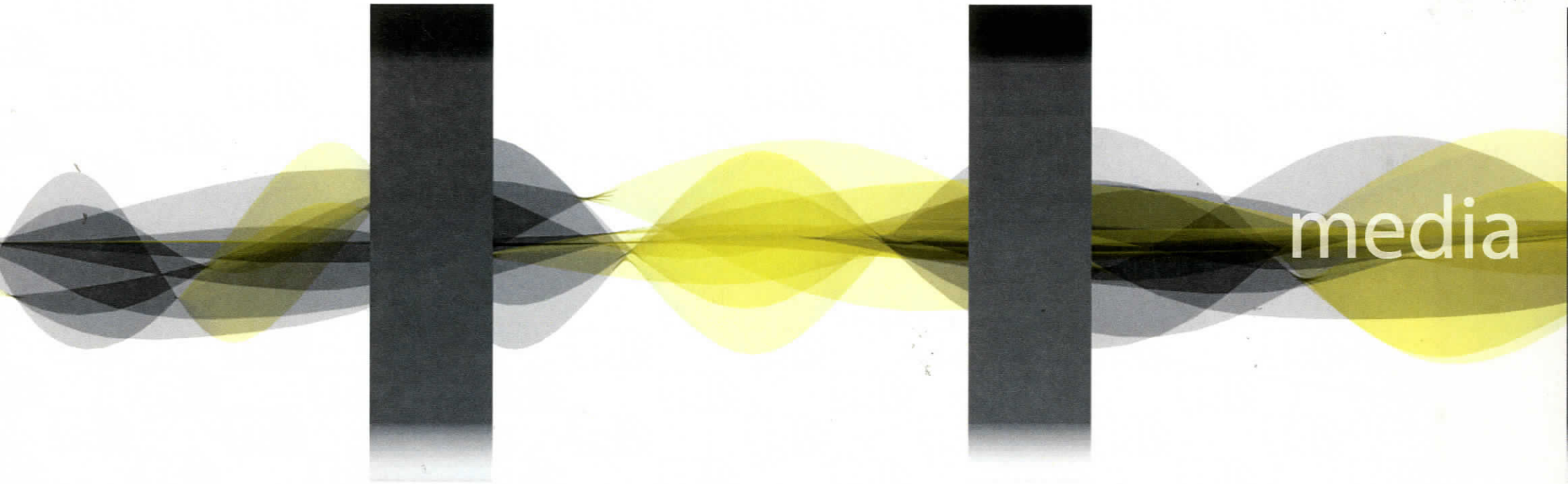
CITY CIRCULATION
ridge rd, lake ave, ridgeway junction

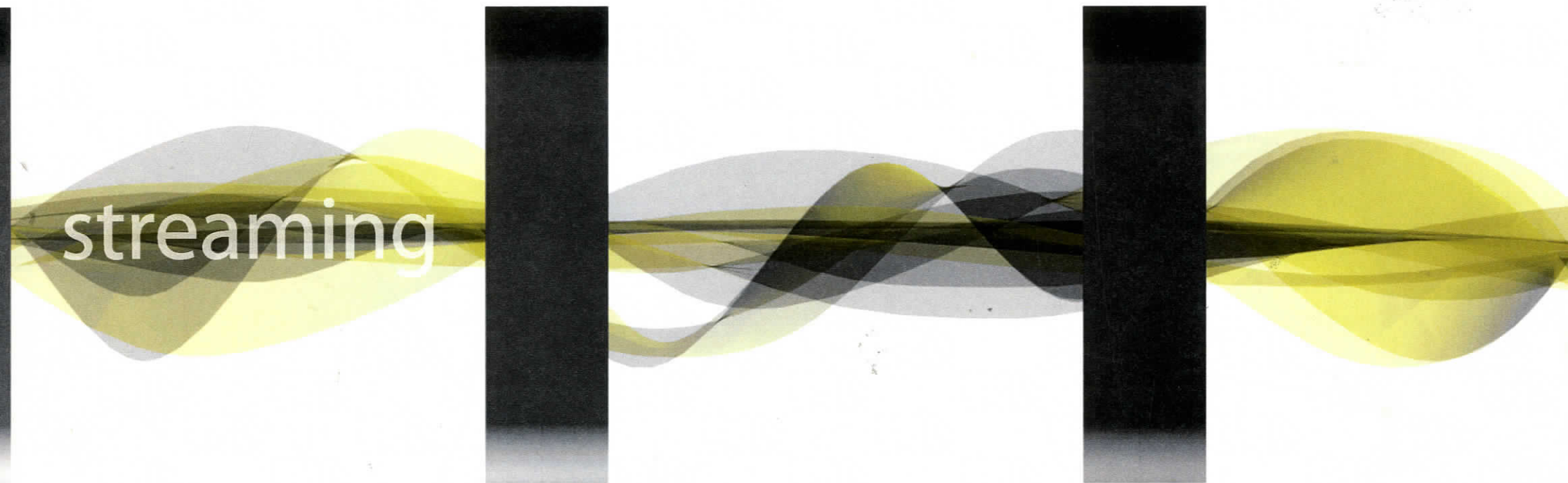


GENESSEE RIVER TRAIL
link between downtown and port of rochester

PROTOTYPE DEVELOPMENT

EXPLORATION OF SURFACE ARTICULATION AND EXPERIENCE

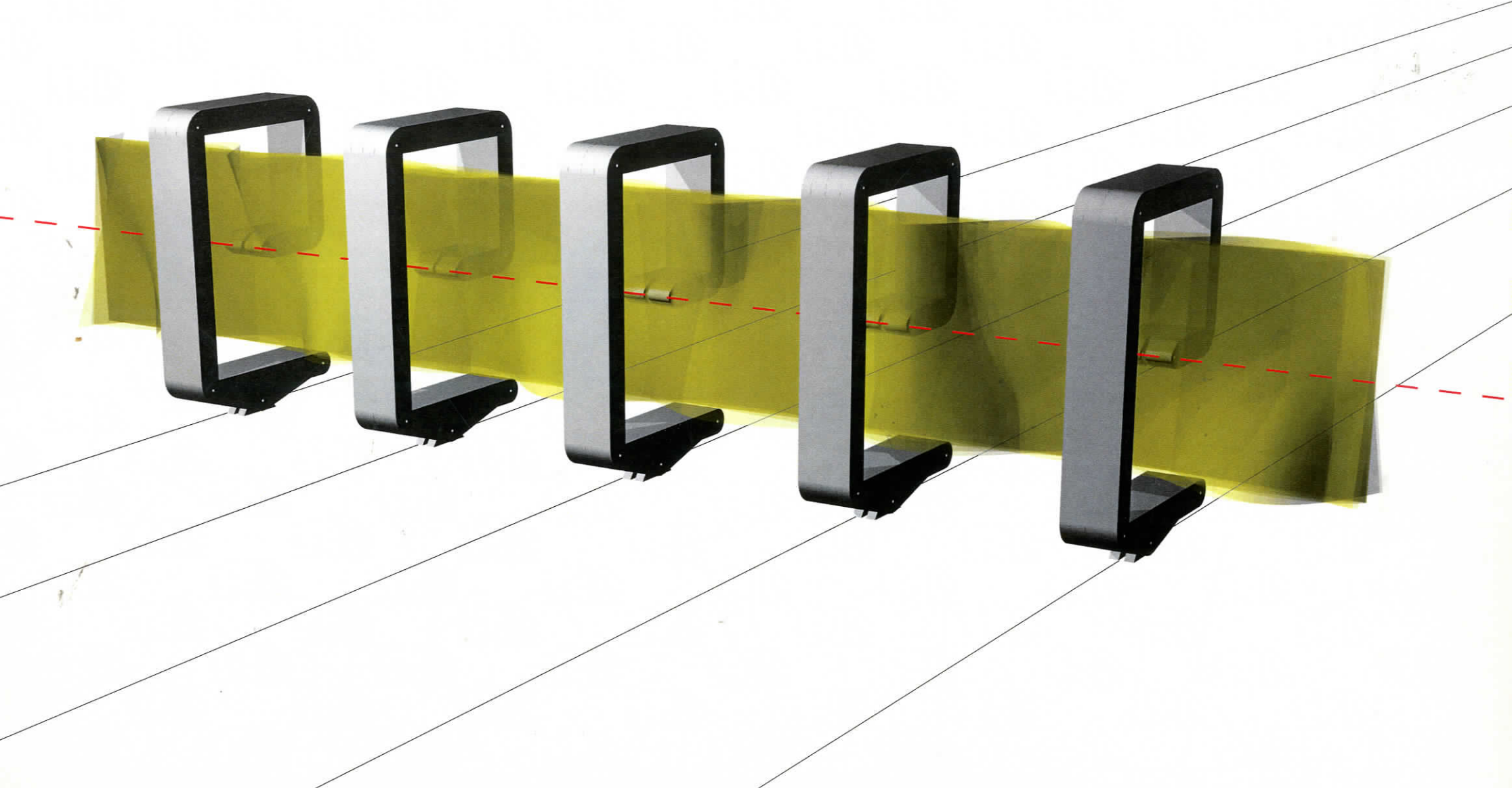


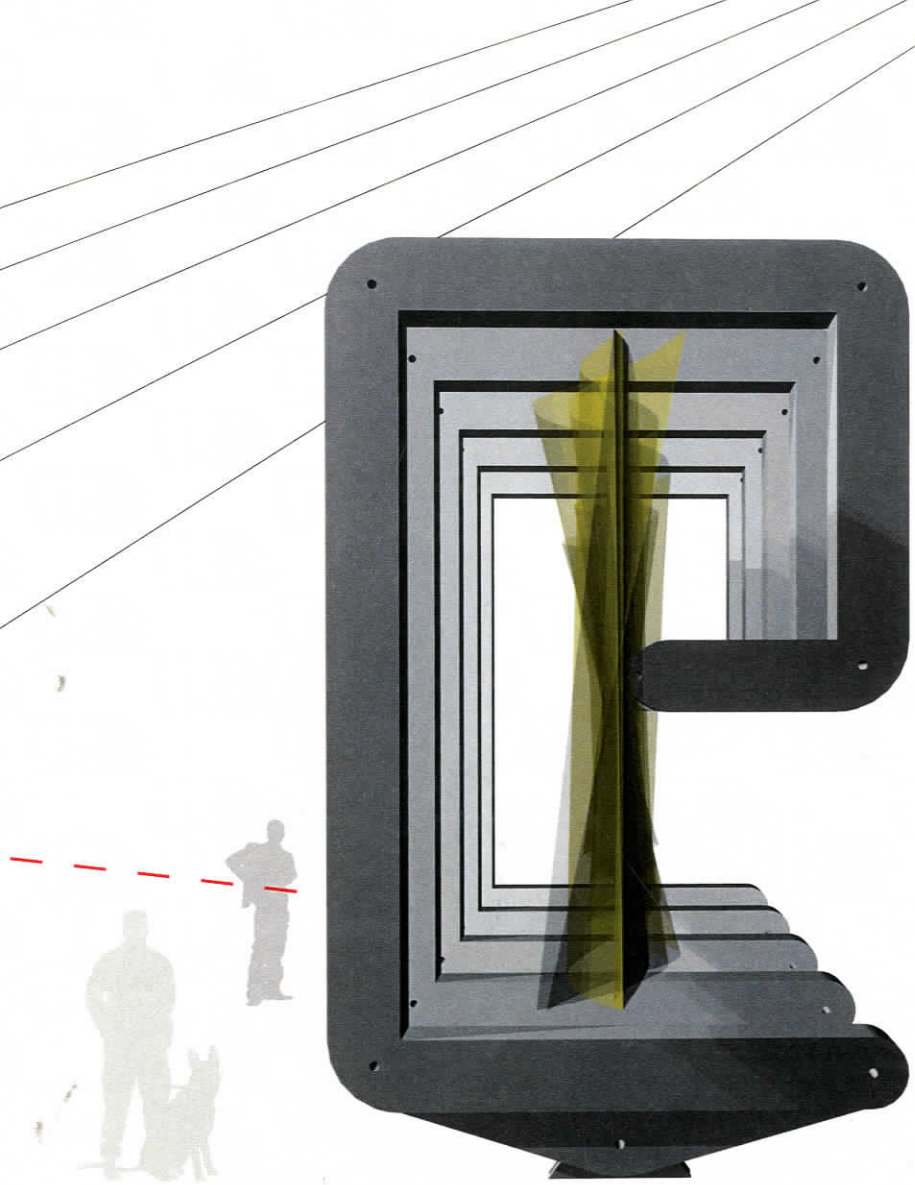


streaming

PROTOTYPE: v.1

VERTICLE SURFACE ARTICULATION





25%

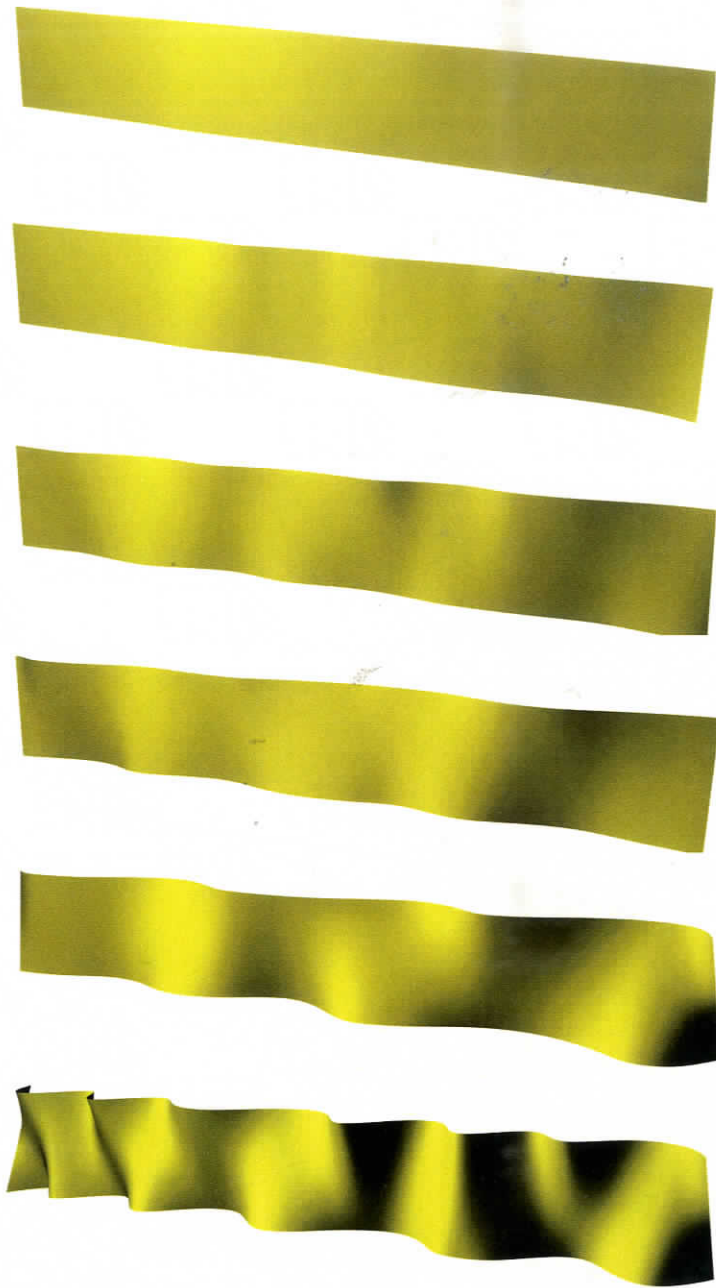
site specificity

50%

media usage

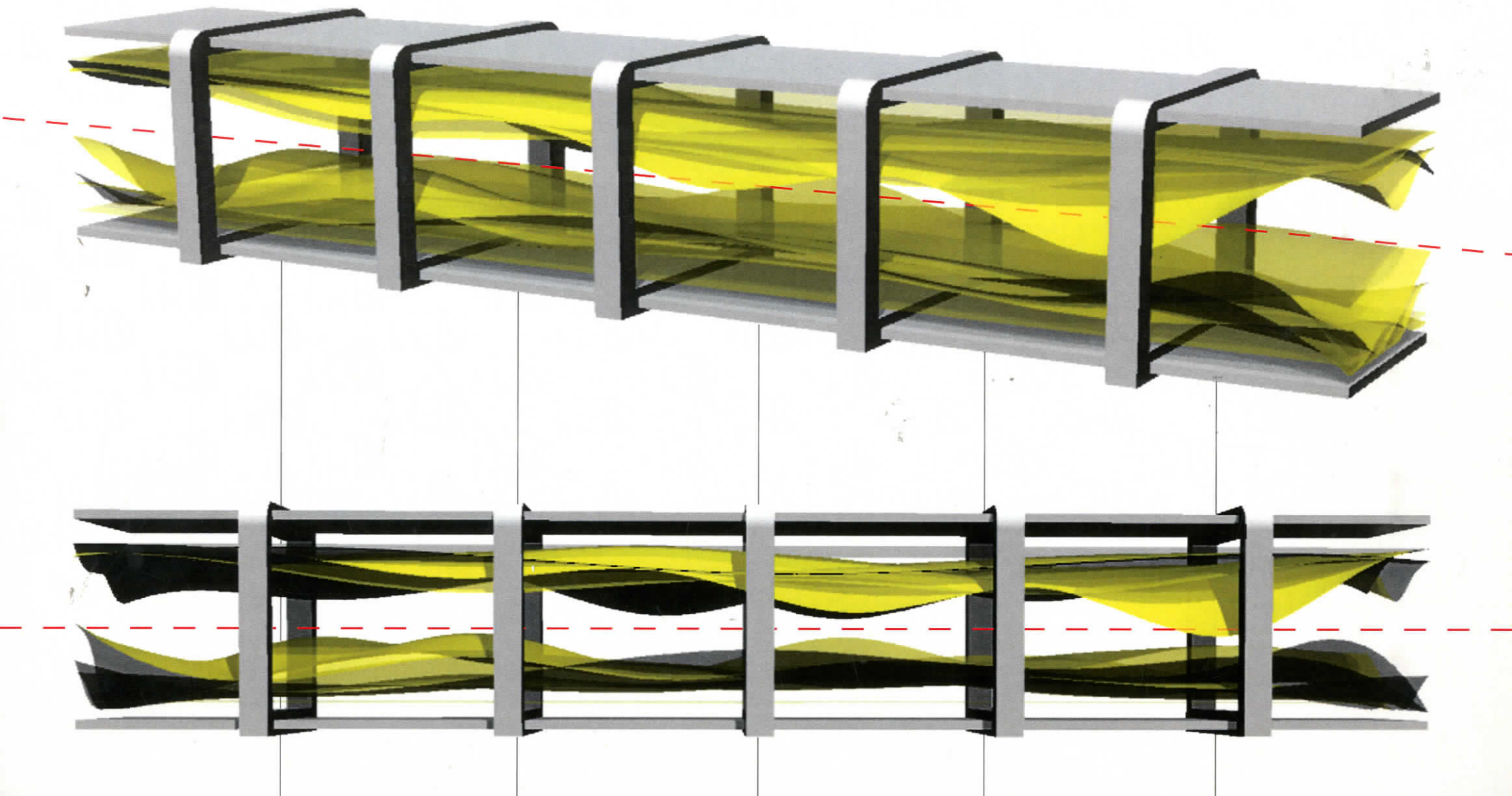
75%

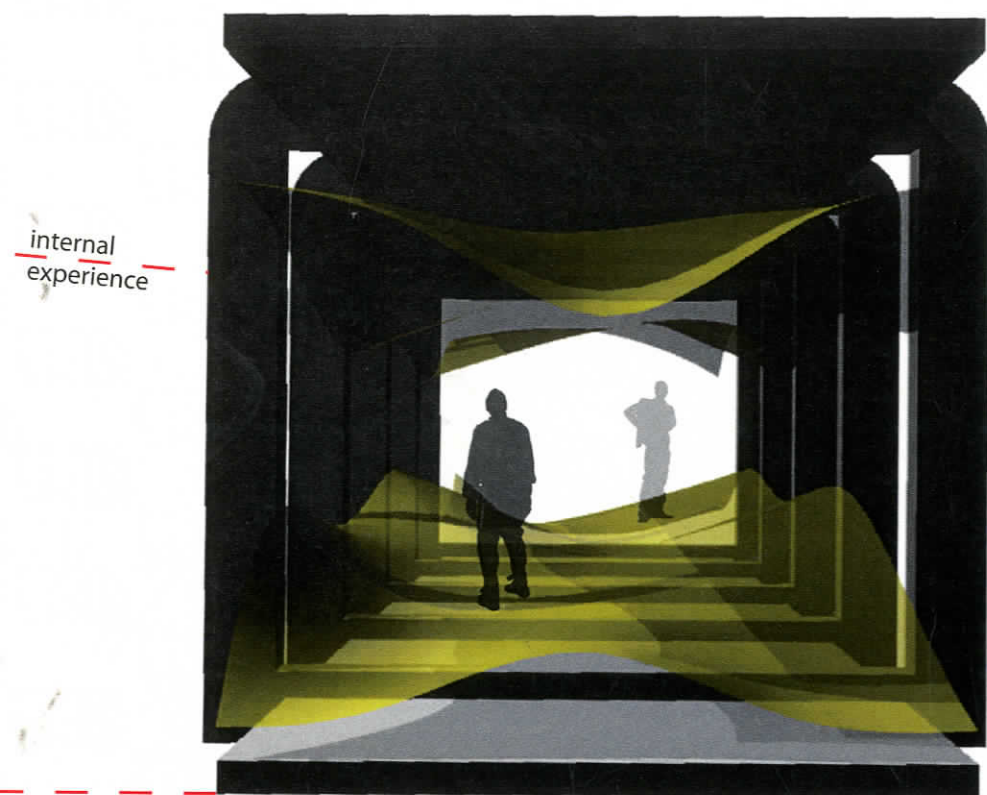
100%



PROTOTYPE: h.1

HORIZONTAL SURFACE ARTICULATION





25%

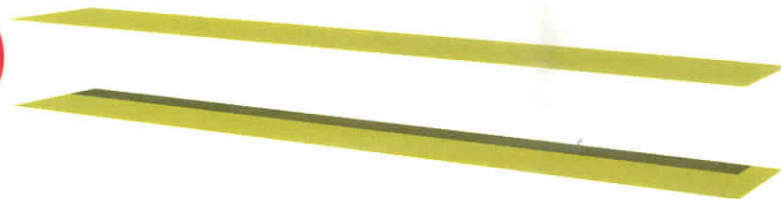
site specificity

50%

media usage

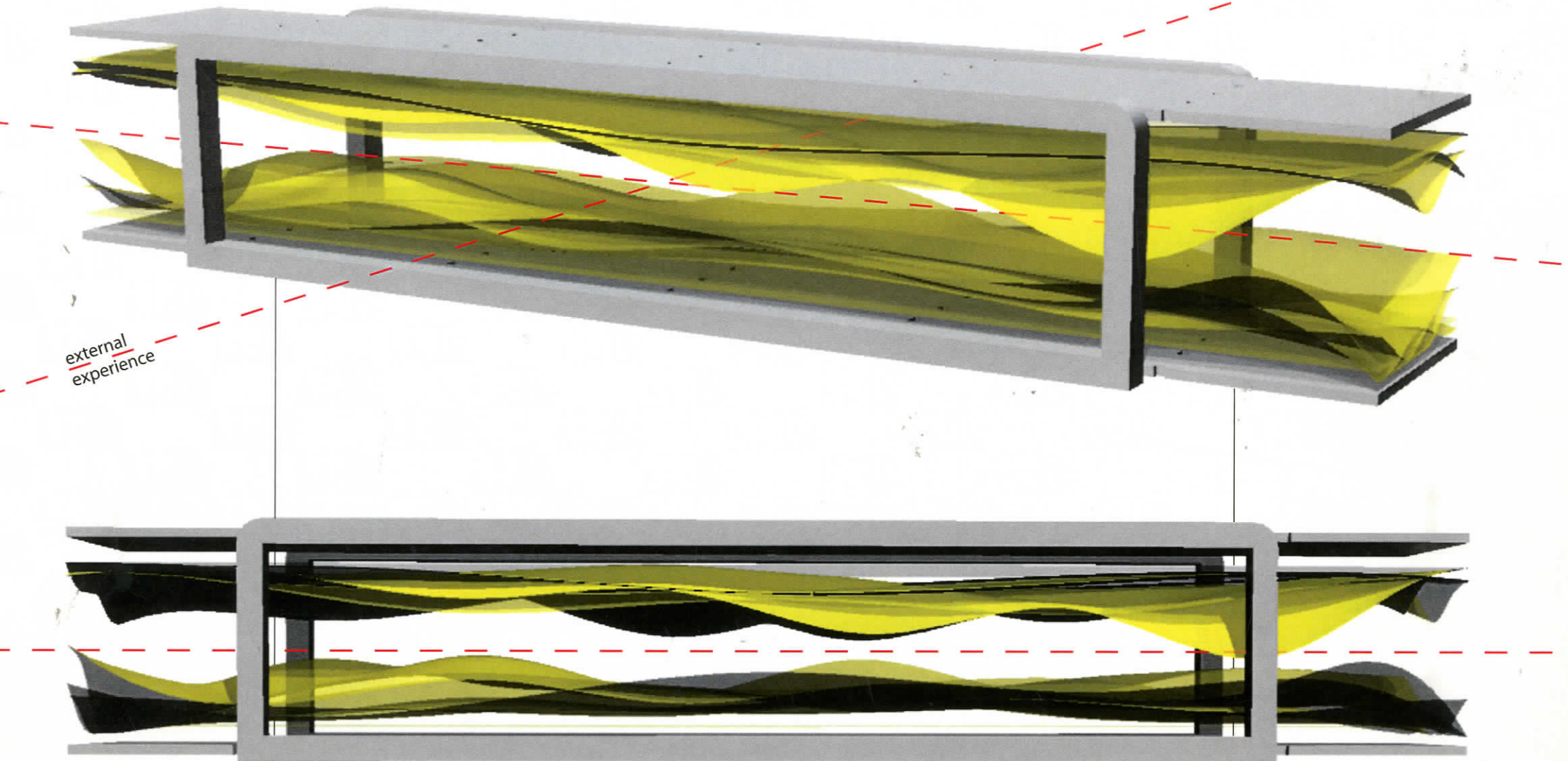
75%

100%



PROTOTYPE: h.2

HORIZONTAL SURFACE ARTICULATION



internal
experience



25%

site specificity

50%

media usage

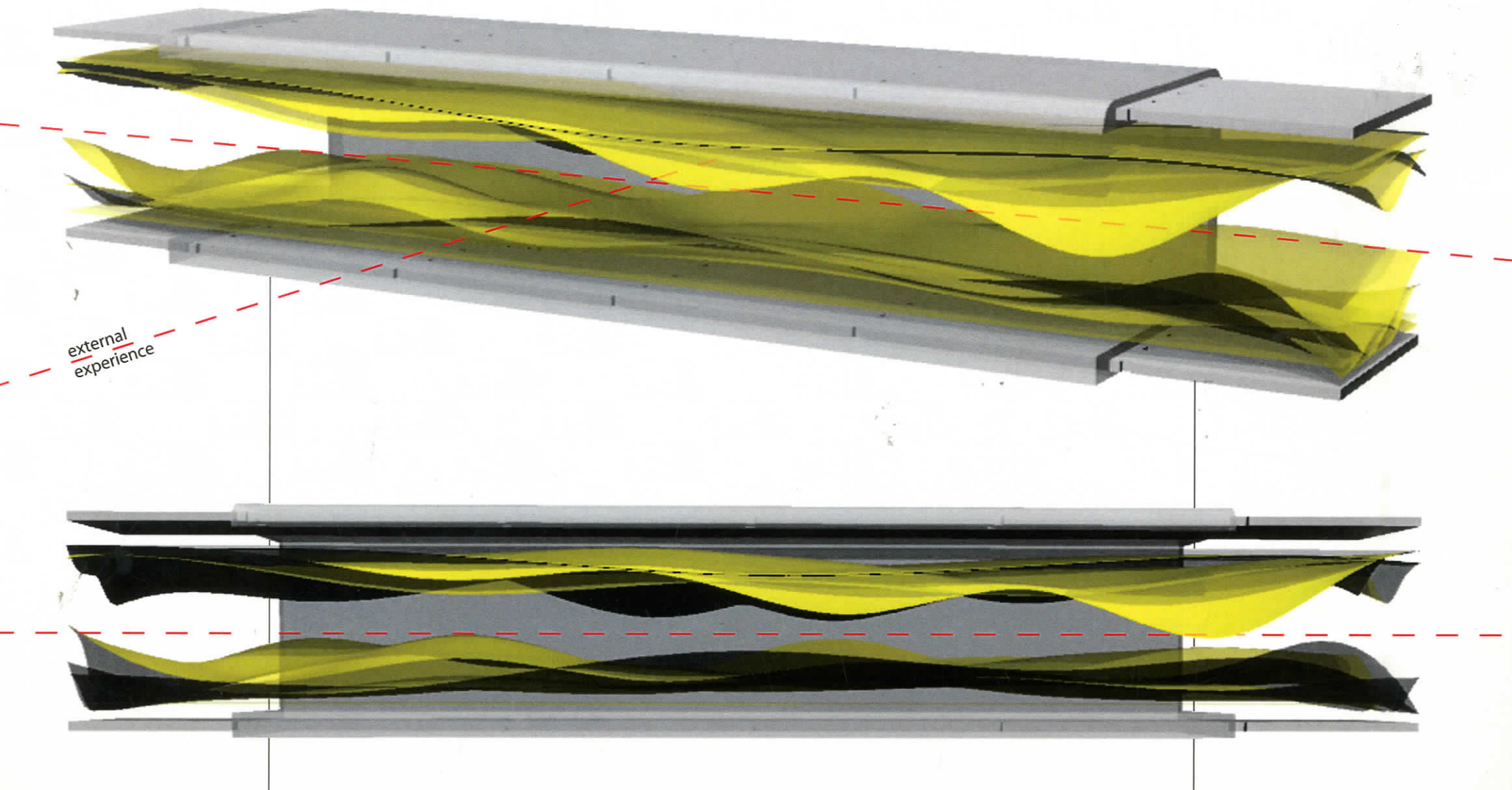
75%

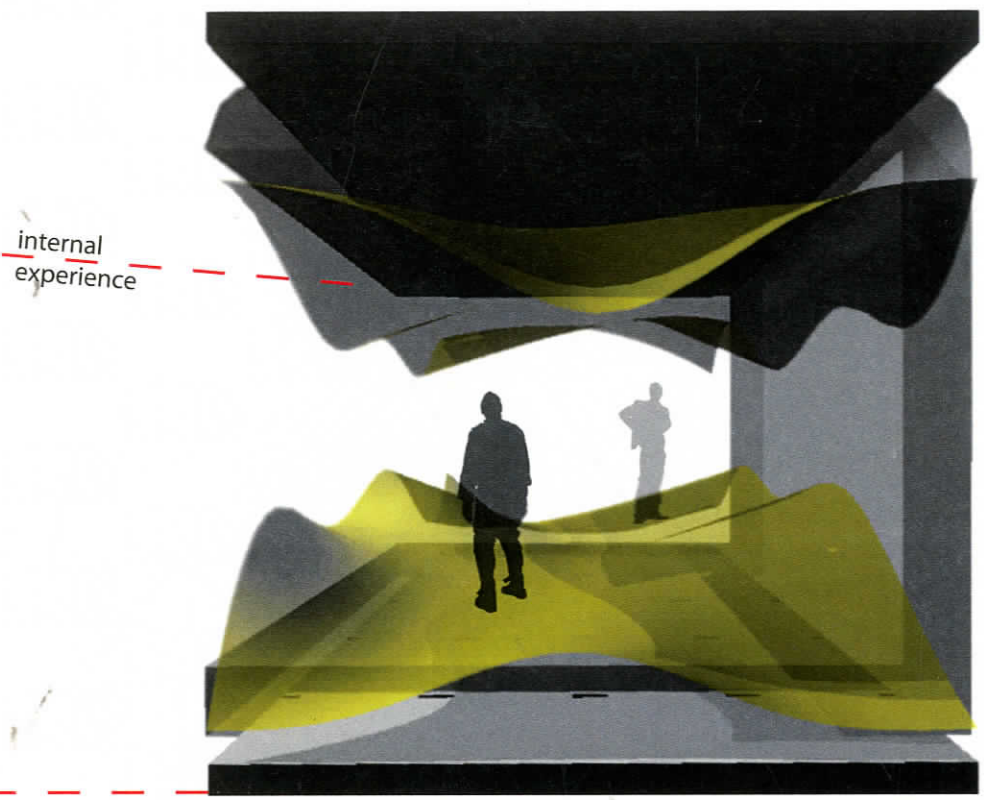
100%



PROTOTYPE: h.3

HORIZONTAL SURFACE ARTICULATION





25%

site specificity

50%

media usage

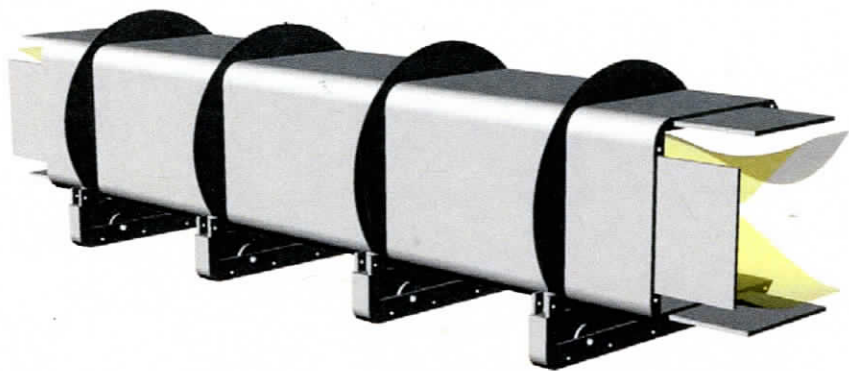
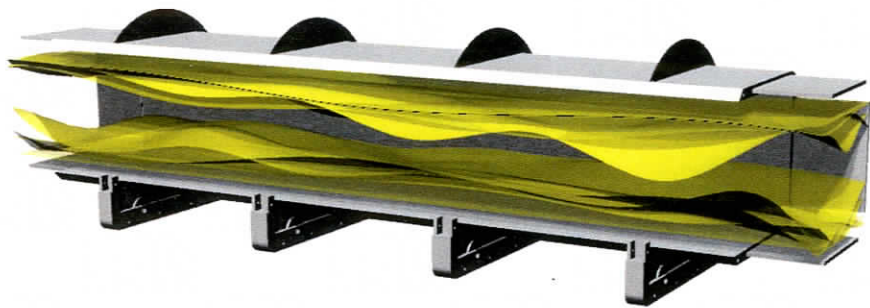
75%

100%

PROTOTYPE: r.1

ROTATIONAL SURFACE ARTICULATION





25%

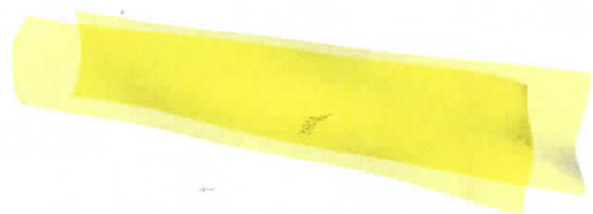
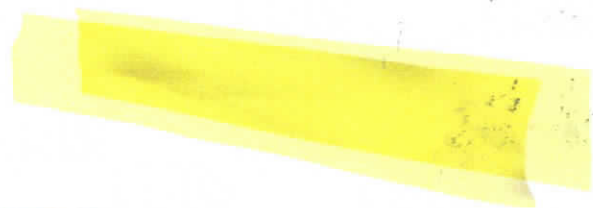
site specificity

50%

media usage

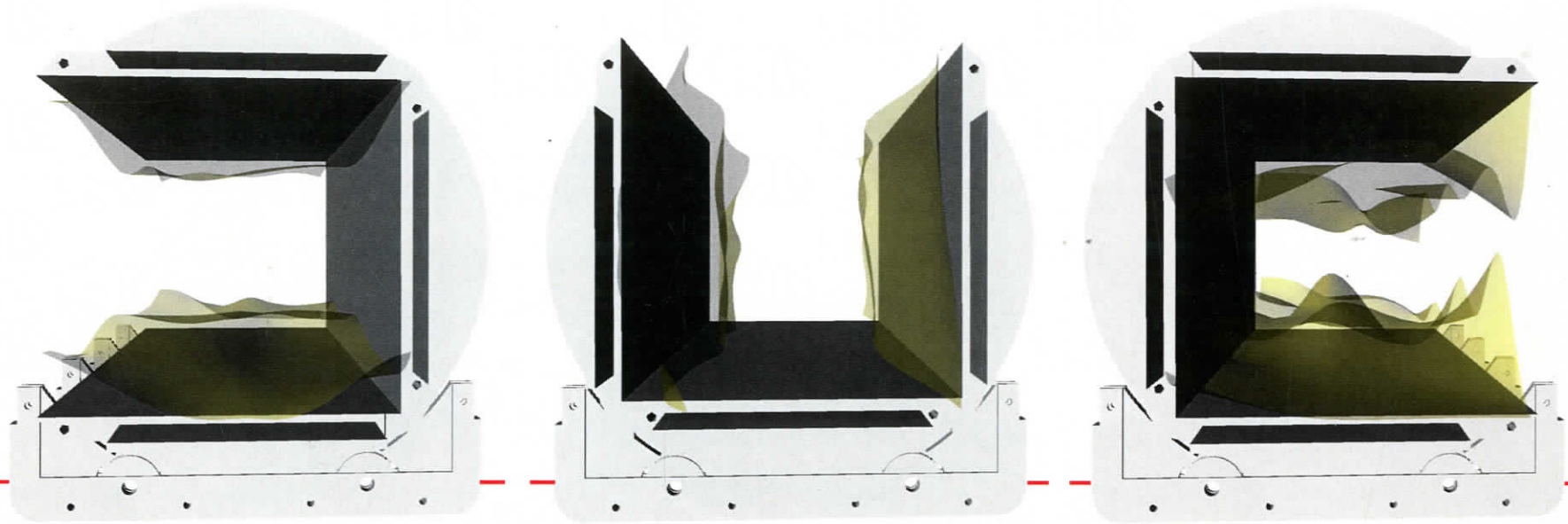
75%

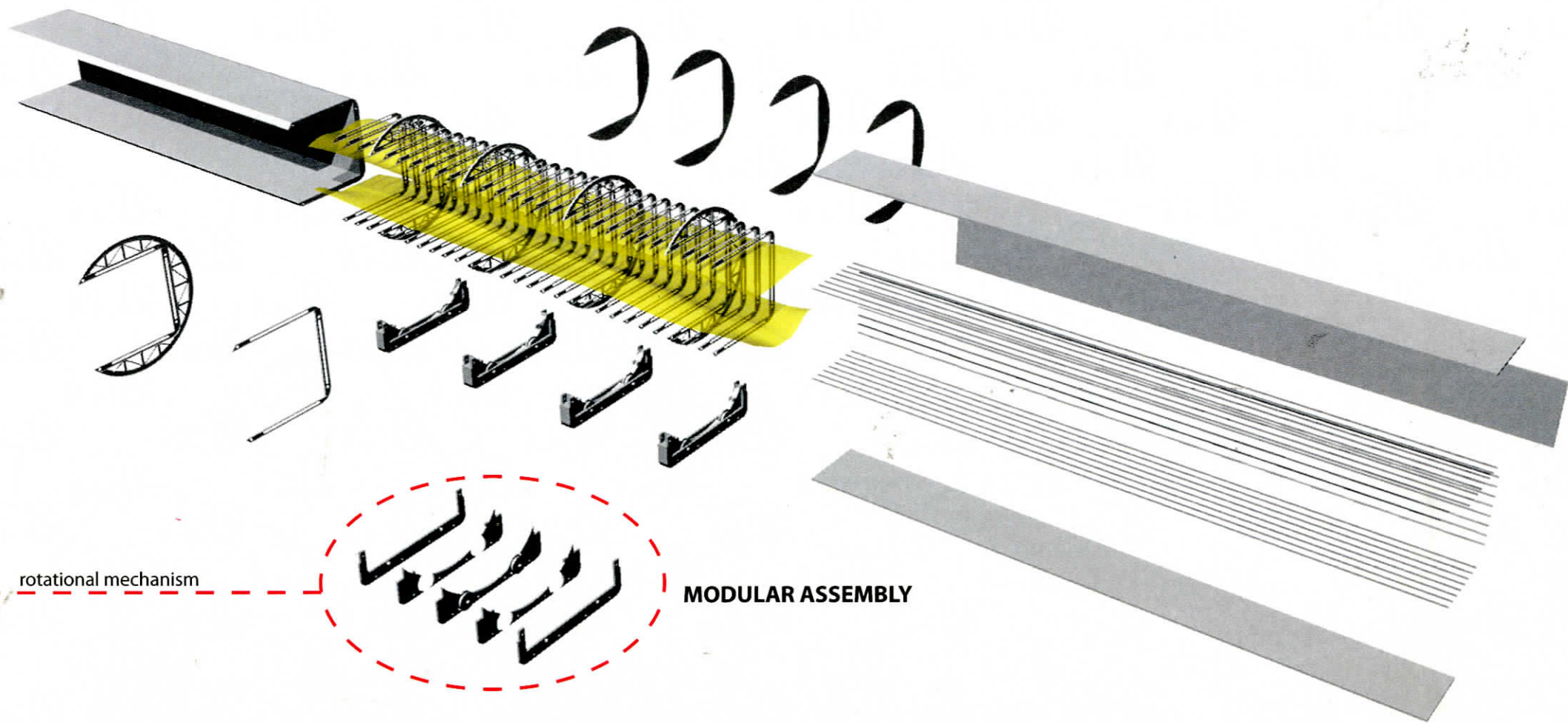
100%



PROTOTYPE: r.1

ROTATIONAL SURFACE ARTICULATION





rotational mechanism

MODULAR ASSEMBLY